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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/691,024	10/22/2003	Lazaar J. Louis	CS22853RL	5009
20280	7590	02/01/2005	EXAMINER	
MOTOROLA INC 600 NORTH US HIGHWAY 45 ROOM AS437 LIBERTYVILLE, IL 60048-5343			CHOE, HENRY	
			ART UNIT	PAPER NUMBER
			2817	

DATE MAILED: 02/01/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/691,024

Applicant(s)

LOUIS ET AL.

Examiner

Henry K. Choe

Art Unit

2817

-- Th MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 22 October 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-26 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1,2,4,5,9,11,12,16-18,21 and 22 is/are rejected.
- 7) ☒ Claim(s) 3,6-8,10,13-15,19,20 and 23-26 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 10/22/2003.
- ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date: \_\_\_\_\_.
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: \_\_\_\_\_.

## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1, 2, 4, 5, 9, 11, 12, 16-18, 21 and 22 are rejected under 35 U.S.C. 102(e) as being anticipated by Chen (Fig. 4).

Regarding claims 1, 11, 12 and 17, Chen (Fig. 4) discloses an amplifier circuit comprising the method steps of monitoring (88) a characteristic of the amplifier (10), providing [(Vcc, 88, 84, B1, B2); It should be noted that the open loop is constructed with the elements Vcc, 88, 84, B1 and B2] an open loop control signal (B1, B2) to the amplifier (10), and wherein the open loop control signal (B1, B2) is based on the characteristic of the amplifier (10) monitored during a previous operating interval.

Regarding claims 2 and 18, comparing (84) the characteristic of the amplifier (10) monitored with a reference characteristic (in order for control circuit 84 to produce the open loop control signal B1 or B2, the control circuit 84 compares the output signal of the current sensor 88 to the reference signal which is internally built in the control circuit 84), selecting (84) the open loop control signal (B1 or B2) provided to the amplifier (10) during the subsequent operating interval based on the comparison (84) of the

characteristic of the amplifier (10) monitored with a reference characteristic (the control circuit 84 selects the open loop control signal B1 or B2 which depends on the condition of the amplifier 10).

Regarding claims 4, 5 and 16, monitoring (88) the characteristic of the amplifier (10) includes detecting a supply current ( $I_c$ ) of the amplifier (10).

Regarding claim 9, providing (84) the open loop control signal (B1 or B2) to the amplifier (10) includes providing to the amplifier (10) a control signal (B1 or B2) which is not modified by feedback (the control signal B1 or B2 is generated by the open loop circuit, not by the close loop circuit such as the feedback circuit).

Regarding claim 21, Chen (Fig. 4) discloses an amplifier circuit comprising the method steps of operating (80) the amplifier (10) during active intervals (when the amplifier 10 is ON) by providing open loop control signals (B1 and B2) to the amplifier (10), monitoring (88) a change in load impedance [when the distance between the antenna and base station changes, the load (antenna) impedance changes as well] at an output (output of 10) of the amplifier (10), and providing (84) an open loop control signal (B1 or B2) to the amplifier (10).

Regarding claim 22, the change in load impedance [when the distance between the antenna and base station changes, the load (antenna) impedance changes as well] by detecting a characteristic of a supply current ( $I_c$ ) provided to the amplifier (10), and providing (84) the open loop control signal (B1 or B2) to the amplifier (10) based on the characteristic of the supply current ( $I_c$ ) monitored.

***Allowable Subject Matter***

Claims 3, 6-8, 10, 13-15, 19, 20 and 23-26 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

***Conclusion***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Patent numbers (6,008,698; 6,757,526) are the amplifier circuits with the open loops.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Henry Choe whose telephone number is (571) 272-1760.



HENRY CHOE  
PRIMARY EXAMINER

#974